

Title (en)

RAPID DISPLAY METHOD IN TRANSLATIONAL SYNTHESIS OF PEPTIDE

Title (de)

SCHNELLES ANZEIGEVERFAHREN BEI DER TRANSLATIONSSYNTHESE VON PEPTIDEN

Title (fr)

PROCÉDÉ D'AFFICHAGE RAPIDE DANS LE CADRE DE LA SYNTHÈSE TRANSLATIONNELLE DE PEPTIDES

Publication

**EP 2492344 A1 20120829 (EN)**

Application

**EP 10825006 A 20101021**

Priority

- JP 2009243240 A 20091022
- JP 2010068549 W 20101021

Abstract (en)

Provided are linkers suitable for preparing a conjugate of a nucleic acid and a peptide as a translation product thereof in a reconstituted cell-free translation system in genotype-phenotype mapping (display methods), said linkers comprising a single-stranded structure region having a side chain base pairing with the base at the 3'-end of an mRNA at one end and a peptidyl acceptor region containing an amino acid attached to an oligo RNA consisting of a nucleotide sequence of ACCA via an ester bond at the other end, characterized in that the ester bond is formed by using an artificial RNA catalyst. Also provided are display methods using [mRNA] - [linker] - [peptide] conjugates assembled via such linkers.

IPC 8 full level

**C12N 15/09** (2006.01); **C12N 15/10** (2006.01); **C12P 21/02** (2006.01); **C40B 40/06** (2006.01)

CPC (source: EP US)

**C12N 15/1062** (2013.01 - EP US); **C40B 40/08** (2013.01 - EP US); **C40B 50/06** (2013.01 - EP US)

Cited by

EP2813512A4; US11732002B2; US10815489B2; US11492369B2; US11542299B2; US11787836B2; US9409952B2; US11891457B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2492344 A1 20120829**; **EP 2492344 A4 20130821**; **EP 2492344 A9 20130220**; **EP 2492344 B1 20160406**; JP 2013046637 A 20130307; JP 5174971 B2 20130403; JP 5837478 B2 20151224; JP WO2011049157 A1 20130314; US 11970694 B2 20240430; US 2012208720 A1 20120816; US 2020199579 A1 20200625; WO 2011049157 A1 20110428

DOCDB simple family (application)

**EP 10825006 A 20101021**; JP 2010068549 W 20101021; JP 2011537297 A 20101021; JP 2012252252 A 20121116; US 201013502487 A 20101021; US 202016807435 A 20200303